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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/756,018ADATE: 03/29/2000  
TIME: 15:22:58

Input Set: H756018A.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

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1 <110> APPLICANT: Brian Seed  
2 Tara Pouyani  
3 <120> TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES  
4 AND METHODS  
5 <130> FILE REFERENCE: 00786/284002  
6 <140> CURRENT APPLICATION NUMBER: US/08/756,018A  
7 <141> CURRENT FILING DATE: 1996-11-25  
8 <150> EARLIER APPLICATION NUMBER: 60/000,213  
9 <151> EARLIER FILING DATE: 1995-06-14  
10 <150> EARLIER APPLICATION NUMBER: 08/661,960  
11 <151> EARLIER FILING DATE: 1996-06-12  
12 <160> NUMBER OF SEQ ID NOS: 17  
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20 1 5 10  
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22 <211> LENGTH: 16  
23 <212> TYPE: PRT  
24 <213> ORGANISM: Homo sapiens  
25 <400> SEQUENCE: 2  
26 Met Ala Thr Asn Ser Leu Glu Thr Ser Thr Gly Thr Ser Gly Pro Pro  
27 1 5 10 15  
28 <210> SEQ ID NO 3  
29 <211> LENGTH: 42  
30 <212> TYPE: PRT  
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33 Gln Leu Trp Asp Thr Trp Ala Asp Glu Ala Glu Lys Ala Leu Gly Pro  
34 1 5 10 15  
35 Leu Leu Ala Arg Asp Arg Arg Gln Ala Thr Glu Tyr Glu Tyr Leu Asp  
36 20 25 30  
37 Tyr Asp Phe Leu Pro Glu Thr Glu Pro Pro  
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42 <213> ORGANISM: Homo sapiens  
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46 <210> SEQ ID NO 5

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53       Leu Pro Glu Thr

54                           20

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72                           20

73 <210> SEQ ID NO 8

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79       ggtgtccagt cccaggtgca gctggtgcag tctggggctg aggtgaagaa gcctgggtcc       120

80       tcggtgaagg tctcctgcaa ggcttctgga ggcaccttca gcagctatgc tatcagctgg       180

81       gtgcgacagg cccctggaca agggcttgag tggatgggag ggatcatccc tatctttggt       240

82       acagcaaaact acgcacagaa gttccagggc agagtcacga ttaccgcgga cgaatccacg       300

83       agcacagcct acatggagct gagcagcctg agatctgagg acacggccgt gtattactgt       360

84       gcgagagata atggagcgta ttgtagtggg ggtagctgct actcgggctg gttcgacccc       420

85       tggggccagg gaaccttggg caccgtctct tcaggtgagt actgaattct agctttcttg       480

86       ggcaggccag gcctgacctt ggctttgggg cagggagggg gctaagggtga ggcagggtggc       540

87       gccagcaggt gcacacccaa tgcccatgag cccagacact ggacgctgaa cctcgcggac       600

88       agttaagaac ccaggggcct ctgcgcttgg gccagctct gtcccacacc gcggtcacat       660

89       ggcaccacct ctcttgtagc ctccaccaag ggcccatcgg tcttccccct ggcaccctcc       720

90       tccaagagca cctctggggg cacagcggcc ctgggctgcc tggtaagga ctacttcccc       780

91       gaaccgggtga cgggtgtctg gaactcaggc gccctgacca gcggcgtgca caccttcccc       840

92       gctgtcctac agtcctcagg actctactcc ctcagcagcg tggtagccgt gccctccagc       900

93       agcttgggca cccagaccta catctgcaac gtgaatcaca agcccagcaa caccaaggtg       960

94       gacaagaaag ttggtgagag gccagcacag ggaggagggg tgtctgctgg aagcaggctc       1020

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97      tctggctttt tcccaggctc tgggcaggca caggctaggt gcccctaacc caggccctgc      1200
98      acacaaaggg gcaggtgctg ggctcagacc tgccaagagc catatccggg aggaccctgc      1260
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100     ctctctccag attccagtaa ctcccaatct tctctctgca gagcccaaat cttgtgacaa      1380
101     aactcacaca tgcccaccgt gcccaggtaa gccagcccag gcctcgccct ccagctcaag      1440
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103     cgtccacctc catctcttcc tcagcacctg aactcctggg gggaccgtca gtcttcctct      1560
104     tccccccaaa acccaaggac accctcatga tctcccgac ccctgaggtc acatgcgtgg      1620
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106     aggtgcataa tgccaagaca aagccgcggg aggagcagta caacagcacg taccgggtgg      1740
107     tcagcgtcct caccgtcctg caccaggact ggctgaatgg caaggagtac aagtgcgaag      1800
108     tctccaacaa agccctccca gccccatcg agaaaacat ctccaaagcc aaaggtggga      1860
109     cccgtggggg gcgagggcca catggacaga ggccggctcg gccaccctc tgccctgaga      1920
110     gtgaccgctg taccaacctc tgtcctacag ggcagccccg agaaccacag gtgtacaccc      1980
111     tgcccccatc ccgggatgag ctgaccaaga accaggtcag cctgacctgc ctggtcaaag      2040
112     gcttctatcc cagcgacatc gccgtggagt gggagagcaa tgggcagccg gagaacaact      2100
113     acaagaccac gcctcccgtg ctggactccg acggctcctt cttcctctac agcaagctca      2160
114     ccgtggacaa gagcaggtgg cagcagggga acgtcttctc atgctccgtg atgcatgagg      2220
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118     <211> LENGTH: 442
119     <212> TYPE: PRT
120     <213> ORGANISM: Homo sapiens
121     <400> SEQUENCE: 9

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125     20          25          30
126     Ala Glu Val Lys Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala
127     35          40          45
128     Ser Gly Gly Thr Phe Ser Ser Tyr Ala Ile Ser Trp Val Arg Gln Ala
129     50          55          60
130     Pro Gly Gln Gly Leu Glu Trp Met Gly Gly Ile Ile Pro Ile Phe Gly
131     65          70          75          80
132     Thr Ala Asn Tyr Ala Gln Lys Phe Gln Gly Arg Val Thr Ile Thr Ala
133     85          90          95
134     Asp Glu Ser Thr Ala Arg Asp Asn Gly Ala Tyr Cys Ser Gly Gly Ser
135     100         105         110
136     Cys Tyr Ser Gly Trp Phe Asp Pro Trp Gly Gln Gly Thr Leu Val Thr
137     115         120         125
138     Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro
139     130         135         140
140     Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val
141     145         150         155         160
142     Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala
143     165         170         175
144     Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly

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145		180		185		190
146	Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Asp Lys					
147		195		200		205
148	Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys					
149		210		215		220
150	Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro					
151		225		230		235
152	Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys					
153			245		250	255
154	Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp					
155		260		265		270
156	Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu					
157		275		280		285
158	Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu					
159		290		295		300
160	His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn					
161		305		310		315
162	Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly					
163			325		330	335
164	Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu					
165		340		345		350
166	Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr					
167		355		360		365
168	Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn					
169		370		375		380
170	Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe					
171		385		390		395
172	Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn					
173			405		410	415
174	Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr					
175		420		425		430
176	Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys					
177		435		440		

178 &lt;210&gt; SEQ ID NO 10

179 &lt;211&gt; LENGTH: 1894

180 &lt;212&gt; TYPE: DNA

181 &lt;213&gt; ORGANISM: Homo sapiens

182 &lt;400&gt; SEQUENCE: 10

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185	ggcaagtgg tttatatcgc atcggccttt cgaaacgagg agtacaataa gtcggttcag	180
186	gagatccaag caaccttctt ttacttcacc cccaacaaga cagaggacac gatctttctc	240
187	agagagtacc agacccgaca ggaccagtgc atctataaca ccacctacct gaatgtccag	300
188	cgggaaaatg ggaccatctc cagatacgtg ggaggccaag agcatttcgc tcaactgtctg	360
189	atcctcaggg acaccaagac ctacatgctt gcttttgacg tgaacgatga gaagaactgg	420
190	gggctgtctg tctatgctga caagccagag acgaccaagg agcaactggg agagttctac	480
191	gaagctctcg actgcttgcg cattcccaag tcagatgtcg tgtacaccga ttggaaaaag	540
192	gataagtgtg agccactgga gaagcagcac gagaaggaga ggaaacagga ggagggggaa	600
193	tcggatccc aggggtgagta ctaagcttca gcgctcctgc ctggacgcat cccggctatg	660
194	cagccccagt ccagggcagc aaggcaggcc ccgtctgcct cttcacccgg agcctctgcc	720

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197	gccaagagcc	atatccggga	ggaccctgcc	cctgacctaa	gcccacccca	aaggccaaac	900
198	tctccactcc	ctcagctcgg	acaccttctc	tcctcccaga	ttccagtaac	tcccaatctt	960
199	ctctctgcag	agcccaaate	ttgtgacaaa	actcacacat	gcccaccgtg	cccaggtaag	1020
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201	cagggacagg	ccccagccgg	gtgctgacac	gtccacctcc	atctcttcct	cagcacctga	1140
202	actcctgggg	ggaccgtcag	tcttctctt	ccccccaaaa	cccaaggaca	ccctcatgat	1200
203	ctcccggacc	cctgaggtca	catgcgtggt	ggtggacgtg	agccacgaag	accctgaggt	1260
204	caagttcaac	tggtacgtgg	acggcgtgga	ggtgcataat	gccaagacaa	agccgcggga	1320
205	ggagcagtac	aacagcacgt	accgggtggt	cagcgtcctc	accgtcctgc	accaggactg	1380
206	gctgaatggc	aaggagtaca	agtgaaggt	ctccaacaaa	gccctcccag	cccccatcga	1440
207	gaaaaccatc	tccaaagcca	aagggtgggac	ccgtgggggtg	cgaggggccac	atggacagag	1500
208	gccggctcgg	cccaccctct	gccctgagag	tgaccgtgt	accaacctct	gtcctacagg	1560
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212	cggctccttc	ttcctctaca	gcaagctcac	cgtggacaag	agcaggtggc	agcaggggaa	1800
213	cgtcttctca	tgctccgtga	tgcattgaggc	tctgcacaac	cactacacgc	agaagagcct	1860
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&lt;210&gt; SEQ ID NO 11

&lt;211&gt; LENGTH: 437

&lt;212&gt; TYPE: PRT

&lt;213&gt; ORGANISM: Homo sapiens

&lt;400&gt; SEQUENCE: 11

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222	Glu	Ala	Gln	Ile	Pro	Leu	Cys	Ala	Asn	Leu	Val	Pro	Val	Pro	Ile	Thr
223					20					25					30	
224	Asn	Ala	Thr	Leu	Asp	Gln	Ile	Thr	Gly	Lys	Trp	Phe	Tyr	Ile	Ala	Ser
225					35					40					45	
226	Ala	Phe	Arg	Asn	Glu	Glu	Tyr	Asn	Lys	Ser	Val	Gln	Glu	Ile	Gln	Ala
227					50					55					60	
228	Thr	Phe	Phe	Tyr	Phe	Thr	Pro	Asn	Lys	Thr	Glu	Asp	Thr	Ile	Phe	Leu
229					65					70					75	
230	Arg	Glu	Tyr	Gln	Thr	Arg	Gln	Asp	Gln	Cys	Ile	Tyr	Asn	Thr	Thr	Tyr
231					85					90					95	
232	Leu	Asn	Val	Gln	Arg	Glu	Asn	Gly	Thr	Ile	Ser	Arg	Tyr	Val	Gly	Gly
233					100					105					110	
234	Gln	Glu	His	Phe	Ala	His	Leu	Leu	Ile	Leu	Arg	Asp	Thr	Lys	Thr	Tyr
235					115					120					125	
236	Met	Leu	Ala	Phe	Asp	Val	Asn	Asp	Glu	Lys	Asn	Trp	Gly	Leu	Ser	Val
237					130					135					140	
238	Tyr	Ala	Asp	Lys	Pro	Glu	Thr	Thr	Lys	Glu	Gln	Leu	Gly	Glu	Phe	Tyr
239					145					150					155	
240	Glu	Ala	Leu	Asp	Cys	Leu	Arg	Ile	Pro	Lys	Ser	Asp	Val	Val	Tyr	Thr
241					165					170					175	
242	Asp	Trp	Lys	Lys	Asp	Lys	Cys	Glu	Pro	Leu	Glu	Lys	Gln	His	Glu	Lys
243					180					185					190	
244	Glu	Arg	Lys	Gln	Glu	Glu	Gly	Glu	Ser	Asp	Pro	Glu	Gly	Glu	Pro	Lys

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